Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Improvements to Roads & Drains at Jarakbande Kaval Slum near Chruch in Ward No.12, Shettyhalli Sub Division.

Est .Cost Rs.50.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 142/ Item No. 19.1/ PWD SR 2016-17								
	Jarakbande Kaval Slum 1st road	Cum	1	78.00	4.80	0.20	74.88		
	cross road		1	37.00	0.90	0.20	6.66		
	1st cross road		1	64.00	0.90	0.20	11.52		
	2nd cross road		1	55.00	0.90	0.20	9.90		
	Cross road		1	19.00	0.65	0.20	2.44		
	3rd cross road		1	82.00	0.70	0.20	11.48		
	cross roads		3	20.00	0.60	0.20	7.20		
	cross road		1	55.00	0.70	0.20	7.70		
	4th cross road		1	89.00	0.60	0.20	10.68		
	cross road 4th cross L/s		1	90.00	0.60	0.20	10.80		
	cross roads R/s		4	30.00	0.60	0.20	14.40		
	Cross roads L/s		10	25.00	0.60	0.20	30.00		
	3rd and 4th cross connecting road		1	40.00	0.60	0.20	4.80		
	Maramma temple surrounding roads		18	25.00	0.60	0.20	54.00		
	For Culverts		2	6.00	2.00	1.20	28.80		
							285.26	86.92	**24795.00**
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
		86.92							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.3 Page No.12/ Item No. 4.3/ PWD SR 2016-17								
	Jarakbande Kaval Slum 1st road	Cum	1	78.00	4.80	0.15	56.16		
	cross road		1	37.00	0.90	0.15	5.00		
	1st cross road		1	64.00	0.90	0.15	8.64		
	2nd cross road		1	55.00	0.90	0.15	7.41		
	Cross road		1	19.00	0.65	0.15	1.85		
	3rd cross road		1	82.00	0.70	0.15	8.61		
	cross roads		3	20.00	0.60	0.15	5.40		
	cross road		1	55.00	0.70	0.15	5.78		
	4th cross road		1	89.00	0.60	0.15	8.01		
	cross road 4th cross L/s		1	90.00	0.60	0.15	8.10		
	cross roads R/s		4	30.00	0.60	0.15	10.80		
	Cross roads L/s		10	25.00	0.60	0.15	22.50		

	3rd and 4th cross connecting road		1	40.00	0.60	0.15	3.60		
	Maramma temple surrounding roads		18	25.00	0.60	0.15	40.50		
	R[redacted] Culverts		2	6.00	2.00	0.15	3.60		
							195.95	5159.02	**1010923.00**
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2016-17								
	Jarakbande Kaval Slum 1st road	Cum	1	78.00	4.80	0.12	44.93		
	cross road		1	37.00	1.10	0.12	4.88		
	1st cross road		1	64.00	5.90	0.12	45.30		
	2nd cross road		1	55.00	5.80	0.12	38.28		
	Cross road		1	19.00	3.00	0.12	6.84		
	3rd cross road		1	82.00	5.80	0.12	57.07		
	cross roads		3	20.00	3.50	0.12	25.20		
	cross road		1	55.00	3.50	0.12	23.10		
	4th cross road		1	89.00	5.00	0.12	53.40		
	cross road 4th cross L/s		1	90.00	4.50	0.12	48.60		
	cross roads R/s		4	30.00	4.00	0.12	57.60		
	Cross roads L/s		10	25.00	2.00	0.12	60.00		
	3rd and 4th cross connecting road		1	40.00	5.00	0.12	24.00		
	Maramma temple surrounding roads		18	25.00	1.90	0.12	102.60		
	for Cd bottom		2x2	6.00	0.15	0.90	3.24		
	For Side Walls		2x2	6.00	0.30	0.90	6.48		
	For Culvert covering	Cum	2	6.00	1.80	0.23	**4.97**		
							606.49	6371.66	**3864361.00**
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	**6371.66**							
4	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17								
		Tonn		9.72	x	60kgs	583.20		
	For Covering			4.97	x	80kgs	397.44		
							980.64		
							say		
							0.98	59413.00	**58263.00**
	Basic Rate	56050.00							
	Area Weightage @ 6%	3,363.00							

	Total	**59413.00**							
5	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 15/ Item No. 4.31/ PWD SR 2016-17								
	For Culvert Wall		2x4	6.00		0.90	43.20		
	For Coverin Slab Bottom		1x2	6.00		1.20	14.40		
							57.60	310.58	**17889.00**
	Basic Rate	293.00							
	Area Weightage @ 6%	17.58							
		310.58							
6	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.133 I.18.57/1) 2016-17								
	Qty Vide Item No=1	Cum					**285.26**		
	Qty Limited to						**285.26**	77.60	**22136.00**
	(For 3 km =2.5*1.28*3)	9.60							
	Loading and Unloading Charges	68.00							
		77.60							
7	Miscellaneous and unforseen Charges								**1698.00**
								Total	**5000000.00**
(Rupees Fifty Lakhs Only)									

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

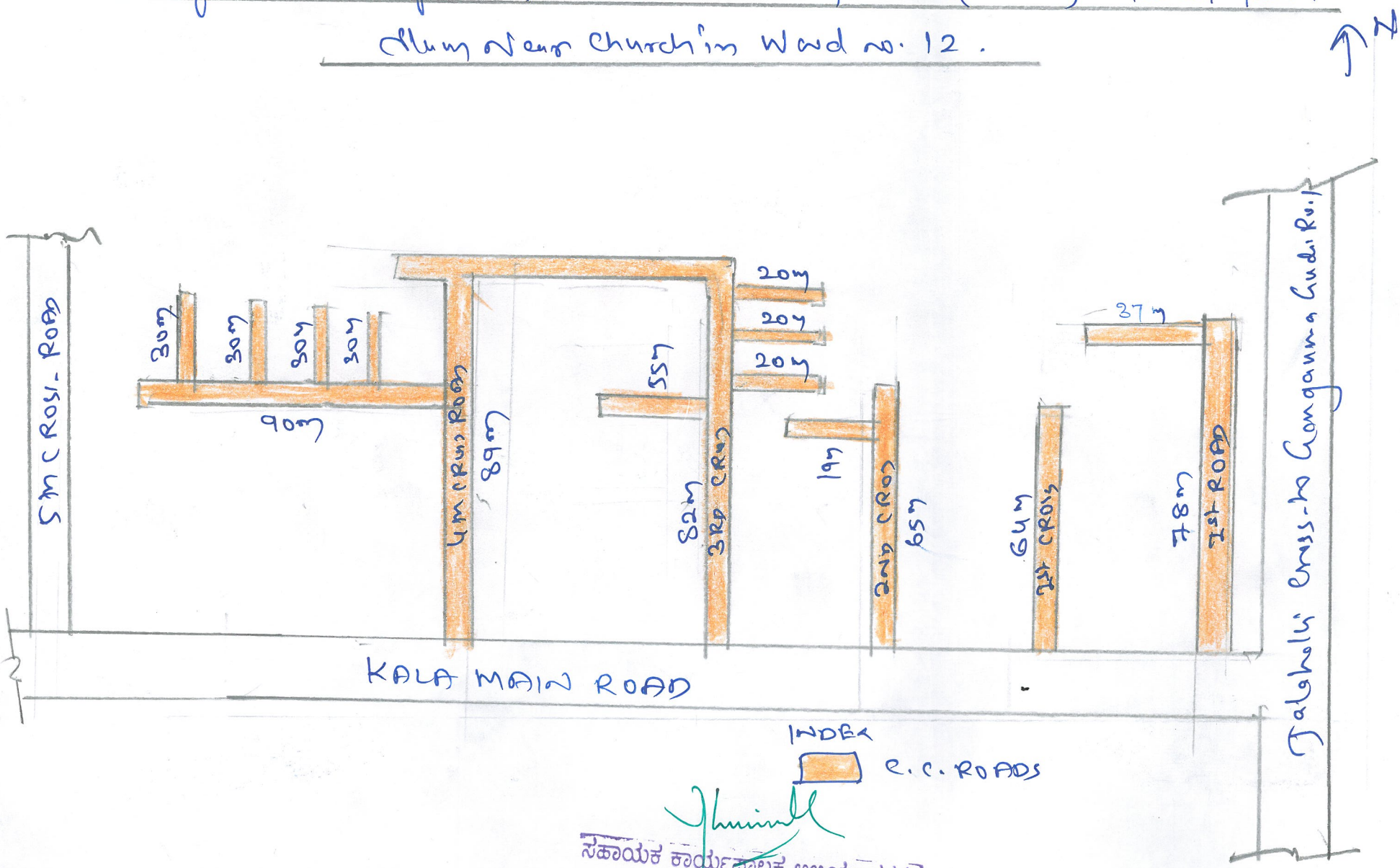
Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. AS/PM/80/16-17 ದಿನಾಂಕ : 18/1/17
ರೂ. 50.00 lakh (Rupees Fifty lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಚೀಫ್ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CEE/DZ/TS/109/16-17 ದಿನಾಂಕ : 27/01/2017
ರೂ. 50.00 lakh RUPEES only/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Name of work:- Improvements to Roads and drains at Jaraldbande Kaval Alum Near Church in Ward no. 12.



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಲೆಬ್ಬಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು